



# Accessible devices for people with a visual impairment



## Tested devices

- The selected devices have been tested by an independent panel of people with a disability, coordinated by the non-profit association Passe-Muraille.
- This evaluation is based on predefined accessibility criteria taking into account the specific needs of the majority of people belonging to the same disability category.
- **We therefore do not guarantee that these devices can be optimally used by all people recognized as belonging to the disability category concerned.**
- This catalog will be updated regularly.





# Advantages of the devices

We recommend these devices to people with a visual impairment because of their programmable keys, vibrate function, and the possibility to assign a ringtone to a contact (caller identification through the ringtone).

It is important to note that all the devices running Android 4.0.4 Ice Cream Sandwich have the following adaptations as standard:

- An accessibility menu.
- An advanced voice synthesis and voice command system for calling, texting, etc. Voice synthesis is available in French and English by default. For Dutch, an appropriate module should be downloaded: [SVOX LENA DUTCH](#). However, with Android 5.0, the Dutch version is available by default in most devices.
- A practical screen reader (Talkback) which can be used directly for calling, texting, etc. but not for reading web pages or with certain incompatible applications. However, with Android 5.1, the screen reader can read websites and most applications.
- An explore by touch screen system with effective spoken feedback describing all the standard features of the device.
- The drop-down menu can be blocked: this enables better scrolling control.
- Tactile navigation requires the use of two fingers for scrolling and a double tap for selecting.

1. Activation of screen reader: Settings → Accessibility → Activate “Talkback”
2. Activation of tactile navigation: Settings → Accessibility → Activate “Tactile navigation”

It should be noted that the most recent, and most complete, versions of Android OS integrate the activation of tactile navigation when the device is switched on for the first time.



## List of tested devices

### A

[Apple Ipad Pro](#)  
[Apple iPhone 7IOS](#)  
[Apple iPhone 7 Plus](#)  
[Apple iPhone 11 Pro](#)

### C

[Crooscall Trekker X4](#)

### F

[Fairphone 3](#)

### D

[Doro 8035](#)

### H

[Huawei Mate 10 Pro](#)  
[Huawei P20 PRO](#)



### L

[LG G6](#)

### N

[Nokia 1](#)  
[Nokia 4.2](#)  
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### O

[OnePlus7T Pro](#)  
[OnePlus8Pro](#)  
[OnePlus 8T](#)  
[OnePlus 9 Pro](#)  
[One Plus Nord CE](#)  
[OPPO A54 5G](#)  
[OPPO Find X2Pro](#)  
[OPPO Find X3 Lite](#)  
[OPPO Reno 4PRO 5G](#)

### S

[Samsung A5](#)  
[Samsung A6+](#)

[Samsung A7](#)  
[Samsung A8](#)  
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[Samsung A50](#)  
[Samsung A51](#)  
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[Samsung Galaxy Note 8](#)  
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[Samsung Galaxy Note 20 5G](#)  
[Samsung Galaxy Note S10 Lite](#)  
[Samsung Galaxy Z Fold 5G](#)  
[Samsung J4+](#)  
[Samsung S10](#)  
[Samsung S20+](#)  
[Samsung S20FE 5G](#)  
[Sony Xpéria XZ Premium](#)

### X

[Xiami Redmi Mi 11i](#)  
[Xiami Redmi Note 10](#)





## Accessible mobile phones

We recommend these devices to people with a visual impairment because of their programmable keys, vibra alert function, and the possibility to assign a ringtone to a contact (caller identification through the ringtone).






Very good



Good



Average

Assessment	Model	Comments
<p>Visually impaired</p> 	<p>APPLE iPad 2020</p> 	<ul style="list-style-type: none"> <li>• If you already have an iPhone or an iPad configured in terms of accessibility, you can transfer accessibility preferences.</li> <li>• 11 font sizes</li> <li>• External keyboard connection via Bluetooth in the accessibility menu</li> <li>• Contrast OK, but no variable button size and font size with magnification</li> <li>• Interesting "bold font" option but only with large fonts</li> </ul>
<p>Blind</p> 		



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Assessment	Template	Comments	Possible adaptation
Visually impaired 	IPHONE 7 IOS 14 	<ul style="list-style-type: none"> <li>• Siri + Voice Control</li> <li>• Spoken content (VoiceOver screen reader)</li> <li>• Font size up to very large</li> <li>• Contrast and color settings</li> <li>• Zoom</li> <li>• Magnifier</li> <li>• Smart invert (reverses the colors on the display, except for images)</li> </ul>	
Blind 			



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Evaluation	Model	Comments	Possible adaptation
<p>Visually impaired</p>	<p>iPhone 7 plus (IOS 10)</p>	<ul style="list-style-type: none"> <li>• Fast and easy configuration of the Accessibility mode via iTunes on a computer.</li> <li>• Very complete accessibility menu</li> <li>• Magnifier function.</li> <li>• Effective voice command.</li> <li>• Image quality +++</li> <li>• Large screen.</li> <li>• Adjustment of brightness by reducing white points.</li> </ul>	<p>Possibility to download and configure screen-reading, voice-synthesis and voice-command software in Dutch via App Store.</p> <p>An adapted stylus can make it easier to operate the device.</p>
<p>Blind</p>		<ul style="list-style-type: none"> <li>• Fast and easy configuration of the Accessibility mode via iTunes on a computer.</li> <li>• Very complete accessibility menu.</li> <li>• Effective voice command.</li> <li>• Voice Over: voice synthesis comes as standard (it not only reads all the menus and apps, but also web content).</li> <li>• NB: Voice Over requires the user to have prior knowledge of how it works.</li> <li>• Supports braille displays.</li> </ul>	



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Assessment	Model	Comments
Visually impaired 	APPLE iPhone 11 Pro 	<ul style="list-style-type: none"><li>• If you already have a configured iPhone, you can transfer accessibility preferences.</li><li>• 11 font sizes</li><li>• External keyboard connection via Bluetooth in the accessibility menu</li><li>• Contrast OK, but no variable button size and font size with magnification</li><li>• Interesting "bold font" option but only with large fonts</li></ul>
Blind 		





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Assessment	Model	Comments	Possible adaptation
Visually impaired 	CrossCall Trekker X4 	<ul style="list-style-type: none"> <li>• Basic Google speech synthesis.</li> <li>• No voice commands for the device.</li> <li>• Enlargement possible but limited to fonts and display elements.</li> <li>• For the keyboard, adjustment of contrast not very interesting. Possibility to choose from 3 keyboard sizes. Choice of background color.</li> <li>• Color inversion and an alternative color mode for the color blind.</li> <li>• Zoom. NO magnifier.</li> <li>• Adjustment of display size.</li> </ul>	
Blind 			



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Assessment	Model	Comments	Possible adaptation
Visually impaired 	Doro 8035 	<ul style="list-style-type: none"><li>Talkback</li></ul>	
Blind 			



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Assessment	Model	Comments	Possible adaptation
Visually impaired 	Fairphone 3 	<ul style="list-style-type: none"> <li>• Designed in such a way that its parts are replaceable</li> <li>• TalkBack, select to speak, zoom, brightness adjustment</li> <li>• The largest font size is still fairly average</li> <li>• 3 choices of color corrections + color inversion</li> <li>• Ok Google</li> <li>• No magnifier</li> </ul>	
Blind 			



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Evaluation	Model	Comments	Possible adaptation
Visually impaired 	HUAWEI Mate 10 PRO 	<ul style="list-style-type: none"><li>Accessibility menu seems complete but has certain limitations (inexistent or incoherent functions)</li></ul>	
Blind 			



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Assessment	Model	Comments	Possible adaptation
Visually impaired 	HUAWEI P20 PRO 	<ul style="list-style-type: none"><li>Accessibility menu relatively complete, but missing certain options such as font size.</li></ul>	
Blind			



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Evaluation	Model	Comments	Possible adaptation
Visually impaired 	LG G6 	<ul style="list-style-type: none"> <li>All features of the device can be enlarged, including the apps</li> <li>Possibility of putting text in bold</li> </ul>	Possibility of downloading and configuring screen-reading, voice-synthesis and voice-command software in Dutch via App Store.  An adapted stylus can make it easier to operate the device 
Blind -		<ul style="list-style-type: none"> <li>Talkback did not work in the device tested (to be checked)</li> </ul>	



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Assessment	Model	Comments	Possible adaptation
Visually impaired 	Nokia 1 	<ul style="list-style-type: none"><li>• Low-cost device with some interesting accessibility options, to be assessed by the future buyer.</li><li>• Voice synthesis but no screen reader.</li><li>• Rather limited options.</li><li>• Most of the applications have to be downloaded and installed before use.</li></ul>	
Blind			



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<p>Visually impaired</p> 	<p>Nokia 4.2</p> 	<ul style="list-style-type: none"> <li>• Talkback</li> <li>• ("Select to Speak")</li> <li>• The largest size is still relatively small</li> <li>• The zoom will be indispensable for some users</li> <li>• Possibility of changing the theme of the phone (bright - dark) but unconvincing</li> <li>• "Accessibility" short-cut</li> <li>• Not very convincing contrast adjustment</li> <li>• Zoom: Either you opt for "Enlarge by pressing 3 times" - Or you opt for "If magnifier is activated, press the accessibility button"</li> </ul>	
<p>Blind</p> 			





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Evaluation	Model	Comments	Possible adaptation
Visually impaired 	Nokia 5 	<ul style="list-style-type: none"><li>• Relatively complicated menu</li><li>• Lightweight and not very convincing enlargement of characters</li><li>• Low quality screen</li></ul>	An adapted stylus can make it easier to operate the device 
Blind			



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Assessment	Model	Comments
Visually impaired 	Nokia 5.4 	<ul style="list-style-type: none"><li>• Enlargement but no magnifier</li><li>• TalkBack</li><li>• Click to edit Master title style</li><li>• Dark theme - font size - display size</li><li>• Even at maximum size, the font remains small, but this can be improved by adding display magnification.</li><li>• Audio caller identification</li></ul>
Blind 		



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Assessment	Template	Comments	Possible adaptation
Visually impaired 	Nokia 8.3 	<ul style="list-style-type: none"><li>• TalkBack</li><li>• Adjustable font size, but the largest size is still small</li><li>• Adjustable display size</li><li>• High contrast text mode, but the difference is hardly visible</li><li>• Zoom</li></ul>	
Blind 			



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Average

Assessment	Model	Comments	Possible adaptation
Visually impaired	OnePlus 7T Pro 	<ul style="list-style-type: none"> <li>Regular zoom and temporary zoom</li> <li>Talk back</li> <li>The largest font is still relatively small</li> <li>Display size adjustment is inadequate</li> <li>3 types of style: standard, colored buttons, color inversion</li> </ul>	OnePlus 7T Pro
Blind			



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Assessment	Model	Comments	Possible adaptation
Visually impaired 	OnePlus 8 Pro 	<ul style="list-style-type: none"><li>• Menu only for visual accessibility: Enlarge - Display - Select - Speak - TalkBack</li><li>• NB: the largest font is still quite small.</li><li>• Customization: "accent colors" ==&gt; button colors - Color inversion (see in tonality: - Normal color - Light (= all buttons have the same color) - Dark = color inversion + Color correction menu (3 choices)</li></ul>	
Blind 			



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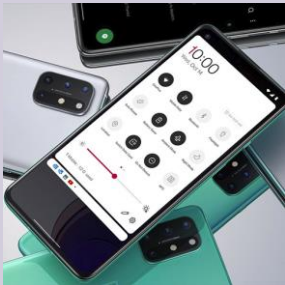

Very good



Good



Average

Assessment	Model	Comments
<p>Visually impaired</p> 	<p>OnePlus 8T</p> 	<ul style="list-style-type: none"> <li>• Enlargement but no screen magnifier</li> <li>• Color correction and inversion</li> <li>• TalkBack</li> <li>• Even in large sizes, the fonts remain small, but this can be improved by adding display magnification.</li> <li>• Audio caller identification. Note: programming includes 2 steps. First the contact is created and then a ring tone is assigned.</li> </ul>
<p>Blind</p> 		



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Average

Assessment	Model	Comments
Visually impaired 	OnePlus 9 Pro 	<ul style="list-style-type: none"><li>Brightness and contrast settings: dark mode, read mode</li><li>Font size settings (4 sizes but still relatively limited in size)</li><li>TalkBack</li><li>Color settings: dark mode, color inversion, color correction</li></ul>
Blind 		



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Average

Assessment	Model	Comments
Visually impaired 	OnePlus Nord CE 	<ul style="list-style-type: none"><li>• Zoom: 4 sizes</li><li>• Brightness and contrast settings: dark mode, read mode</li><li>• Font size settings (4 sizes but still relatively limited in size)</li><li>• TalkBack</li><li>• Color settings: dark mode, color inversion, color correction, monochrome effect</li></ul>
Blind 		





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Very good



Good



Average

Assessment	Model	Comments
Visually impaired 	OPPO A54 5G 	<ul style="list-style-type: none"><li>• Enlargement</li><li>• Color settings: inversion + 3 color choices</li><li>• Font size settings (5 different sizes)</li><li>• 5 display sizes (combining font size and display size will provides a reasonable size)</li><li>• TalkBack</li><li>• Possibility of choosing the number of icons per column and per row (which increases the size of the icons accordingly)</li></ul>
Blind 		



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Average

Assessment	Model	Comments	Possible adaptation
Visually impaired 	OPPO Find X2 Pro 	<ul style="list-style-type: none"> <li>• Talkback</li> <li>• Good font size with enlargement</li> <li>• Possibility of programming gestures on switched-off screen</li> <li>• Color inversion</li> <li>• Choice of color adapted to the color blind</li> <li>• Choice of touch &amp; hold delay</li> </ul>	
Blind 			



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Very good



Good



Average

Assessment	Model	Comments
Visually impaired 	OPPO Find X3 Lite 	<ul style="list-style-type: none"><li>• Font size and screen size settings</li><li>• TalkBack</li><li>• Possibility to change the number of rows and columns of icons per screen</li><li>• Possibility to activate a predefined menu with large icons and good contrast</li><li>• Color settings: 3 options + color inversion</li><li>• Colour accessibility mode: some colours have good contrast.</li></ul>
Blind 		



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Very good



Good



Average

Assessment	Template	Comments	Possible adaptation
Visually impaired 	OPPO Reno 4 Pro 5G 	<ul style="list-style-type: none"> <li>• Good font size with enlargement</li> <li>• Possibility of programming gestures on switched-off screen</li> <li>• The largest font size is still small</li> <li>• Color inversion</li> <li>• Choice of color adapted to the color blind</li> <li>• Choice of touch and hold delay</li> <li>• Complex menu structure</li> </ul>	
Blind 			



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Average

Evaluation	Model	Comments	Possible adaptation
<p>Visually impaired</p> 	<p>SAMSUNG A5</p> 	<ul style="list-style-type: none"> <li>• Magnifying window which enlarges the screen content (3 magnifying sizes and zoom adjustment)</li> <li>• Not all accessibility options offered are compatible with each other and require a choice to be made</li> <li>• Possibility of configuring direct access to a selection of accessibility options</li> </ul>	<p>An adapted stylus can make it easier to operate the device</p> 
<p>Blind</p> 			



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Assessment	Model	Comments	Possible adaptation
<p>Visually impaired</p> 	<p>Samsung A6+</p> 	<ul style="list-style-type: none"> <li>• Voice Assistant</li> <li>• Adjustment of font size (very large font) + screen magnification</li> <li>• Large icons</li> <li>• Choice between 4 types of contrasts + adjustment of keyboard size and layout</li> <li>• Color inversion and/or adjustment</li> <li>• NB: the magnifying glass disables the Voice Assistant</li> </ul>	
<p>Blind</p> 			



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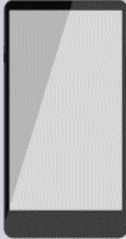

Very good



Good



Average

Assessment	Model	Comments	Possible adaptation
Visually impaired 	Samsung A7 2018 	<ul style="list-style-type: none"> <li>• Adjustment of keyboard size</li> <li>• Adjustment of keyboard contrast</li> <li>• Choice of home-screen grid</li> <li>• TalkBack</li> <li>• Zoom in by spreading the fingers apart</li> <li>• Color lenses to adjust screen colors</li> </ul>	
Blind 			



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Evaluation	Model	Comments	Possible adaptation
Visually impaired 	SAMSUNG Galaxy A 8 	<ul style="list-style-type: none"><li>• Samsung accessibility menu very complete and well implemented</li><li>• Voice tags: possibility to link recorded voice comments to NFC tags</li><li>• Talkback is sometimes slow to react</li></ul>	
Blind 			





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Assessment	Model	Comments	Possible adaptation
Visually impaired 	Samsung A9 	<ul style="list-style-type: none"><li>• Voice assistant (no "Select to Speak")</li><li>• Bixby Voice (not yet in French)</li></ul>	Possibility of downloading "Android Accessibility Suite" on Playstore
Blind 			



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Evaluation	Model	Comments	Possible adaptation
Visually impaired 	Samsung A50 	<ul style="list-style-type: none"> <li>• Voice assistant (no "Select to Speak")</li> <li>• Whole-screen display - no buttons</li> <li>• Screen zoom</li> <li>• Slide to call/send texts</li> </ul>	
Blind 			



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Assessment	Model	Comments	Possible adaptation
Visually impaired 	Samsung A51 	<ul style="list-style-type: none"> <li>• "Your Phone Companion" allows you to read and answer text messages via a computer.</li> <li>• Screen reader</li> <li>• Improved visibility: contrast, font size, zoom, etc.</li> <li>• Simplified launcher</li> </ul>	
Blind 			



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Visually impaired 	Samsung A71 	<ul style="list-style-type: none"><li>• Voice Assistant</li><li>• Google Assistant</li><li>• Contrast and color settings</li><li>• Simplified mode with interesting contrasts for keyboard, font, theme</li><li>• Magnifier window</li><li>• Zoom with text tracking</li><li>• Choice of ring tones and vibrations</li><li>• Screen sensitivity settings</li></ul>	
Blind 			



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Visually impaired 	Samsung Galaxy A10 	<ul style="list-style-type: none"> <li>• Voice Assistant.</li> <li>• Two speech-synthesis engines (Samsung and Google).</li> <li>• Choice of 7 font sizes; adjustment of font size and display size, possibility to change the font or even download extra fonts.</li> <li>• Adaptive brightness (current lighting conditions). Night mode.</li> <li>• Themes, keyboard, fonts (high-contrast), negative colors.</li> <li>• Inversion of text colors. Color lens.</li> <li>• Zoom. Magnifier. Adjustment of display size.</li> </ul>	
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Assessment	Model	Comments
<p>Visually impaired</p> 	<p>Samsung Galaxy A 12</p> 	<ul style="list-style-type: none"> <li>• TalkBack</li> <li>• Voice assistant + settings: verbosity, shake for continuous reading/speak passwords</li> <li>• Bixby</li> <li>• 8 different font sizes</li> <li>• Read aloud function for keyboard entries</li> <li>• Zoom, magnifier: 7 choices of magnification</li> <li>• Possibility to change the number of rows and columns of icons per screen</li> <li>• Color correction or inversion</li> <li>• High-contrast mode</li> <li>• Gesture control must be activated. Examples: double-tap to turn on the screen, swipe to take a screenshot...</li> <li>• Audio caller identification</li> <li>• Voice tag: write voice recordings into NFC tags to provide information when you are in close proximity.</li> </ul>
<p>Blind</p> 		



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Assessment	Model	Comments
Visually impaired 	Samsung Galaxy A32 5G 	<ul style="list-style-type: none"><li>• Zoom, magnifier + enlargement</li><li>• Color settings: inversion + 3 color choices</li><li>• Font size settings (8 different sizes)</li><li>• 5 display sizes (combining font size and display size will provide a reasonable size)</li><li>• TalkBack</li><li>• Possibility of choosing the number of icons per column and per row (which increases the size of the icons accordingly)</li></ul>
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Average

Assessment	Model	Comments
Visually impaired 	Samsung Galaxy A 52 	<ul style="list-style-type: none"><li>• TalkBack</li><li>• Voice assistant + settings: verbosity, shake for continuous reading/speak passwords</li><li>• Bixby</li><li>• 4 keyboard models</li><li>• 8 different font sizes</li><li>• Zoom: choice of magnification + Magnifier</li><li>• Possibility to change the number of rows and columns of icons per screen</li><li>• Color correction or inversion</li><li>• High-contrast mode</li><li>• Gesture control must be activated. Examples: double-tap to turn on the screen, swipe to take a screenshot...</li><li>• Audio caller identification</li><li>• Voice tag: write voice recordings into NFC tags to provide information when you are in close proximity.</li><li>• Disable animations</li><li>• Read aloud function for keyboard entries</li></ul>
Blind 		





## Accessible mobile phones

We recommend these devices to people with a visual impairment because of their programmable keys, vibra alert function, and the possibility to assign a ringtone to a contact (caller identification through the ringtone).






Very good



Good



Average

Assessment	Model	Comments
Visually impaired 	Samsung Galaxy S21 5G 	<ul style="list-style-type: none"><li>• TalkBack</li><li>• Voice assistant + settings: verbosity, shake for continuous reading/speak passwords</li><li>• Choice of 4 keyboard types</li><li>• 8 different font sizes</li><li>• Read aloud function for keyboard entries</li><li>• Zoom (4 sizes) + Magnifier</li><li>• Possibility to change the number of rows and columns of icons per screen</li><li>• Grayscale, 3 color options, custom mode, color filter and color inversion</li><li>• High-contrast mode</li><li>• Gesture control must be activated. Examples: double-tap to turn on the screen, swipe to take a screenshot...</li><li>• Audio caller identification</li><li>• Bixby</li><li>• Voice tag: write voice recordings into NFC tags to provide information when you are in close proximity.</li><li>• Disable animations</li></ul>
Blind 		



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Very good



Good



Average

Evaluation	Model	Comments	Possible adaptation
<p>Visually impaired</p> 	<p>SAMSUNG Galaxy Note 8</p> 	<ul style="list-style-type: none"> <li>• Samsung accessibility menu</li> <li>• 6.3" screen</li> <li>• 2 enlargement levels (zoom and font sizes) + magnifying glass</li> <li>• Unlocking with face recognition</li> <li>• Integrated stylus</li> <li>• Arrival of "Bixby" but only in English</li> </ul>	
<p>Blind</p> 			



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Very good



Good



Average

Assessment	Model	Comments	Possible adaptation
Visually impaired	Samsung Galaxy Note 10+ 	<ul style="list-style-type: none"> <li>• 7 font sizes</li> <li>• Choice of 4 keyboard display modes</li> <li>• Magnifier: zoom which follows typing</li> <li>• Adjustment of screen display</li> <li>• Bold font optional</li> </ul>	
Blind			



## Accessible mobile phones

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Very good



Good



Average

Assessment	Template	Comments	Possible adaptation
Visually impaired 	Samsung Note 20 5G 	<ul style="list-style-type: none"><li>• Voice Assistant</li><li>• Google Assistant</li><li>• Contrast and color settings</li><li>• Simplified mode with interesting contrasts for keyboard, font, theme</li><li>• Magnifier window</li><li>• Zoom with text tracking</li><li>• Choice of ring tones and vibrations</li><li>• Screen sensitivity settings</li></ul>	
Blind 			



## Accessible mobile phones

We recommend these devices to people with a visual impairment because of their programmable keys, vibra alert function, and the possibility to assign a ringtone to a contact (caller identification through the ringtone).





Very good



Good



Average

Assessment	Model	Comments	Possible adaptation
Visually impaired 	Samsung Galaxy J4 +	<ul style="list-style-type: none"><li>• Adjustment of keyboard size</li><li>• Adjustment of keyboard contrast</li><li>• Choice of home-screen grid</li><li>• TalkBack</li><li>• Touch screen lock (prevents screen from detecting an accidental touch)</li></ul>	
Blind 			



## Accessible mobile phones

We recommend these devices to people with a visual impairment because of their programmable keys, vibra alert function, and the possibility to assign a ringtone to a contact (caller identification through the ringtone).






Very good



Good



Average

Assessment	Model	Comments
<p>Visually impaired</p> 	<p>Samsung Galaxy Z Fold 2 5G</p> 	<ul style="list-style-type: none"> <li>• Option to be checked: <b>"Move cursor when typing"</b> =&gt; magnifier automatically follows typing. Note: this option is not compatible with all apps. Color correction and inversion</li> <li>• Voice assistant + settings: verbosity, shake for continuous reading/speak passwords, Bixby</li> <li>• TalkBack</li> <li>• Gesture control must be activated. Examples: double-tap to turn on the screen, swipe to take a screenshot, ...</li> <li>• 4 choices of contrasts: black/yellow, white/black, yellow/black and white/blue + 4 themes (light, light white, dark and dark black)</li> <li>• Highly readable and efficient bold font</li> <li>• Audio caller identification</li> <li>• Voice tag: write voice recordings into NFC tags to provide information when you are in close proximity.</li> <li>• Interesting foldable screen to read magnified texts and websites more easily</li> </ul>
<p>Blind</p> 		



## Accessible mobile phones

We recommend these devices to people with a visual impairment because of their programmable keys, vibra alert function, and the possibility to assign a ringtone to a contact (caller identification through the ringtone).






Very good



Good



Average

Evaluation	Model	Comments	Possible adaptation
<p>Visually impaired</p> 	<p>Samsung S10</p> 	<ul style="list-style-type: none"> <li>• Voice Assistant (no "Select to Speak")</li> <li>• Bixby Voice (In French but not very accomplished)</li> <li>• Whole-screen display - no buttons</li> <li>• Screen zoom (2 options)</li> <li>• Magnifying window (7 different zones)</li> <li>• Screen adjustment: Grey scale - protanope - deuteranope - tritanope - personalized colors</li> </ul>	
<p>Blind</p> 			



## Accessible mobile phones

We recommend these devices to people with a visual impairment because of their programmable keys, vibra alert function, and the possibility to assign a ringtone to a contact (caller identification through the ringtone).






Very good



Good



Average

Assessment	Template	Comments	Possible adaptation
Visually impaired 	Samsung Galaxy S10 Lite 	<ul style="list-style-type: none"><li>• Voice Assistant</li><li>• Google Assistant</li><li>• Contrast and color settings</li><li>• Simplified mode with interesting contrasts for keyboard, font, theme</li><li>• Magnifier window</li><li>• Zoom with text tracking</li><li>• Choice of ring tones and vibrations</li><li>• Screen sensitivity settings</li></ul>	
Blind 			





## Accessible mobile phones

We recommend these devices to people with a visual impairment because of their programmable keys, vibra alert function, and the possibility to assign a ringtone to a contact (caller identification through the ringtone).






Very good



Good



Average

Assessment	Model	Comments	Possible adaptation
Visually impaired 	Samsung S20 + 	<ul style="list-style-type: none"> <li>• Voice Assistant</li> <li>• Contrast and color settings</li> <li>• Simplified mode with interesting contrasts for keyboard, font, theme</li> <li>• Magnifier window</li> <li>• Zoom with text tracking</li> <li>• Choice of ring tones and vibrations</li> </ul>	
Blind 			



## Accessible mobile phones

We recommend these devices to people with a visual impairment because of their programmable keys, vibra alert function, and the possibility to assign a ringtone to a contact (caller identification through the ringtone).






Very good



Good



Average

Assessment	Model	Comments
<p>Visually impaired</p> 	<p>Samsung S20 FE 5G</p> 	<ul style="list-style-type: none"> <li>Option to be checked: <b>"Move cursor when typing"</b> =&gt; magnifier automatically follows typing. Note: this option is not compatible with all apps. Color correction and inversion</li> <li>Voice assistant + settings: verbosity, shake for continuous reading/speak passwords, Bixby</li> <li>TalkBack</li> <li>Gesture control must be activated. Examples: double-tap to turn on the screen, swipe to take a screenshot...</li> <li>4 choices of contrasts: black/yellow, white/black, yellow/black and white/blue + 4 themes (light, light white, dark and dark black)</li> <li>Highly readable and efficient bold font</li> <li>Audio caller identification</li> <li>Voice tag: write voice recordings into NFC tags to provide information when you are in close proximity.</li> </ul>
<p>Blind</p> 		



## Accessible mobile phones

We recommend these devices to people with a visual impairment because of their programmable keys, vibra alert function, and the possibility to assign a ringtone to a contact (caller identification through the ringtone).







Very good



Good



Average

Evaluation	Model	Comments	Possible adaptation
Visually impaired 	Sony Xpéria XZ Premium 	<ul style="list-style-type: none"><li>The accessibility menu is limited.</li><li>High quality large screen</li><li>Light vibrations</li></ul>	An adapted stylus can make it easier to operate the device. 
Sourd 			



## Accessible mobile phones

We recommend these devices to people with a visual impairment because of their programmable keys, vibra alert function, and the possibility to assign a ringtone to a contact (caller identification through the ringtone).






Very good



Good



Average

Assessment	Model	Comments
Visually impaired 	Xiaomi Redmi Mi 11i 	<ul style="list-style-type: none"><li>• Zoom: 4 sizes</li><li>• Enlargement by gesture (2 fingers) and via the accessibility menu</li><li>• Font size settings (3 sizes but still relatively limited size)</li><li>• TalkBack</li><li>• Possibility of reducing the number of on-screen icons, but this does not significantly impact their size</li></ul>
Blind 		



## Accessible mobile phones

We recommend these devices to people with a visual impairment because of their programmable keys, vibra alert function, and the possibility to assign a ringtone to a contact (caller identification through the ringtone).






Very good



Good




Average

Assessment	Model	Comments
Visually impaired 	Xiaomi Redmi Note 10 	<ul style="list-style-type: none"><li>• Enlargement + zoom</li><li>• Brightness settings</li><li>• Contrast settings</li><li>• Font size settings (6 sizes)</li><li>• TalkBack</li><li>• Possibility to change the number of rows and columns of icons per screen</li><li>• Color settings: dark mode, color temperature, color correction</li></ul>
Blind 		



## Accessible fixed-line phones

We recommend these phones for their large keys, high-contrast screen, and hands-free function.

Models	Visual impairment		Hearing impairment		Motor impairment	Mental impairment	Comments
	Visually impaired	Blind	Visually impaired	Deaf			
<p>Maestro 6042</p> 	+	+	+	/	+	+	<p>Large white keys with large black characters or black keys with large white characters.            Caller name and number display via the appropriate Proximus services.            Hands-free function            LED indicator for incoming calls            Large backlit touch screen with medium-sized characters            Possibility to double the volume of the handset via a button on the front of the phone.            Adjustable speaker volume.            3 programmable direct dialling buttons.            Directory for up to 10 numbers.</p>


- + Suitable
- Not suitable
- +/- Can be used with its basic functions or with assistance





## Accessible fixed-line phones

We recommend these phones for their large keys, high-contrast screen, and hands-free function.

Models	Visual impairment		Hearing impairment		Motor impairment	Mental impairment	Comments
	Visually impaired	Blind	Visually impaired	Deaf			
<b>Twist 392</b> 	+	+	+	/	+	+	<p>Hands-free function with adjustable volume on the base station. This makes it easier to use the phone's call and answer functions.</p> <p>Moreover, the programmable call keys on the base station (with the possibility to place a photo in the button) make the phone very suitable for people with a mental or motor impairment or for the elderly.</p> <p>Need for training or assistance with the programming of extra functions for the blind and visually or mentally impaired.</p> <p>Switch to the "T" position possible, but not very efficient.</p> <p>However, the adjustable volume via the handset and the amplification function allow you to listen at a comfortable level thanks to the loud, high-quality sound.</p>

+  
-  
+/-

Suitable  
Not suitable  
Can be used with its basic functions or with assistance





## Adapted rate plans

- If you want to call, text and surf freely, we recommend our Mobilus subscription from €15/month [www.proximus.be/mobilus](http://www.proximus.be/mobilus)
- If you want to call, text and surf without exceeding your budget, we recommend our Mobilus Full Control subscription from €15/month [www.proximus.be/fullcontrol](http://www.proximus.be/fullcontrol)
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